Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_

**Algebra 2 Logarithmic Functions Test**

**Standards**

LE.4—Logarithms and Logarithmic Functions (10-2)

Properties of Logarithms (10-3)

Common Logarithms (10-4)

Base e and Natural Logarithms (10-5)

**Packet** (due: 5/12 at the start of class-*stapled and ready to turn in!)*

* Refer to the 4-page document of “problems to choose from” on wiki
* Complete the packet of 20 problems (problems of your choice—from the “problems to choose from”
* Your packet must have the work shown and **detailed justifications for everything**! You may use the format provided, “template,” or organized your packet in a similar format using any of the following strategies:
  + diagraming/mapping with work and justifications.
  + box with work on one side and justifications on the other side.
  + a flip paper with work on the front and justifications on the other side.
* The level of difficulty chosen for your problems will affect your overall grade (must choose complex problems to get a 4)
* **The packet must be turned in with this cover sheet signed and the reflection below completed!**

By signing below, I verify that I did all of my own work to the best of my abilities.

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Reflection**

|  |  |  |  |
| --- | --- | --- | --- |
| Final score | Standard | Overall Self-Assessment | Explanation of Overall Self-Assessment |
|  | LE.4  Log. Funct. | 1 2 3 4 |  |